EXHIBIT A



west virginia department of environmental protection

Office of Oil and Gas 601 57th Street SE Charleston, WV 25304 (304) 926-0450 (304) 926-0452 fax Earl Ray Tomblin, Governor Randy C. Huffman, Cabinet Secretary www.dep.wv.gov

UIC Permit Renewal

EQT PRODUCTION COMPANY POST OFFICE BOX 280 BRIDGEPORT, WV 26330

Dear Applicant:

Enclosed you will find Underground Injection Control Renewal Permit # UIC2D0190510 dated January 08, 2013. Be advised that the duration of the permit is for a period of five (5) years.

Also be advised that all conditions established by UIC Permit Number UIC2D0190510 either expressly or incorporated by reference, must be strictly adhered to. All monitoring forms shall be submitted to the Office of Oil and Gas in the manner and frequency prescribed. The monitoring forms will be compared with the scope of permitted activity to verify compliance.

Please review the permit carefully and be aware of all permit conditions. Compliance of all permit conditions will be strictly enforced.

The operation of this injection well facility in general, including maintenance of all related surface equipment, shall be conducted so as to preclude any unlawful discharge of waste materials into the surface or ground waters of the state.

James Martin

Chief,

Office of Oil and Gas

Enclosures as stated

UIC PERMIT NO. UIC2D0190510 WELL NO. Lawson-Hamilton #3

UNDERGROUND INJECTION CONTROL PERMIT FOR DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS AND DIVISION OF WATER AND WASTE MANAGEMENT FOR CLASS II DISPOSAL WELL

This document consists of the Underground Injection Control (UIC) Permit required by the Department of Environmental Protection, Office of Oil and Gas, and Division of Water and Waste Management. The permittee is allowed to engage in underground injection in accordance with the terms and conditions of this permit based upon an approved UIC Permit.

The Underground Injection Control Permit No. **UIC2D0190510** consists of Forms WW-3A and WW-3B and the terms and conditions below:

- 1. The underground injection activity authorized by this permit shall not allow the movement of fluid, as per (47CSR13-2.26), containing any contaminant into any subsurface area other than that which is specified and may not cause a violation of any primary drinking water regulation promulgated under 40 CFR Chapter 1, Part 141 or any water quality standard promulgated by the Department of Environmental Protection.
- 2. This permit is issued in accordance with the provisions of Article 11 and 12, Chapter 22 of the Code of West Virginia and the Legislative Rule 47CSR13.
- 3. All reports required by this permit shall be submitted to the Office of Oil and Gas with the exception to paragraph 4 below.
- 4. The following activities require the immediate cessation of facility operations and prompt notification of the Director of Water and Waste Management (47CSR13-13.6.d and 47CSR13-13.12.1.6).
 - a) Any monitoring or other information which indicates that any contaminant has caused or may cause an endangerment to an underground source of drinking water;
 - b) Any non-compliance with a permit condition or any malfunction of the injection system which may cause fluid migration into or between underground sources of drinking water; and
 - c) Any non-compliance which may endanger health and environment.

- 5. This permit is for authorization of injection of only fluids as defined for Class II wells in 47CSR13-4.2. The fluids to be injected shall only be from those sources listed in the permit application. Additional sources of fluids may be approved upon written request by the permittee.
- 6. The permit must satisfy the requirements of the Office of Oil and Gas regarding any corrective action needed on all known wells penetrating the injection zone within the area of review.
- 7. Any production well within a ¼ mile radius of disposal well# 47-019-00510 which does not have cemented production casing shall be plugged immediately upon becoming inactive. Any temporarily inactive well shall be monitored at a frequency and by a method prescribed by the Office of Oil and Gas upon notice by the permittee of such activity. Any well shut-in more than one (1) week shall be considered inactive.
- 8. The area of review is designated as a 1 / 4 mile radius around the injection project.
- 9. This permit approves the Weir and Maxton formations for injection from 1,653' to 2.664'.
- 10. The maximum wellhead injection pressure shall be established at 535 PSI.
- 11. The permittee shall provide for security at the injection facility to guard against illegal or unauthorized dumping and injection at the injection facility.
- 12. The permittee shall monitor the 2 3/8" X 4 1/2" and 4 1/2" X 8 5/8" casing annuli with pressure sensitive devices or with such a method as approved or required by the Office of Oil and Gas to allow early detection on any leaks from the injection zone or casing. The results of such monitoring shall be reported on Form WR-40.
- 13. The permitte shall conduct a mechanical integrity test on well at least once every five years per 35CSR4-7.7.b. The permittee must submit a WR-37 Form with each mechanical integrity test along with a copy of any test chart(s). If a mechanical integrity test should fail, the permittee shall cease operation/injection and shut-in the well immediately until repaired or permanently plugged and abandoned per regulation. The well must be repaired or permanently plugged within 90 days of the failure date. If repaired, the well must be re-tested making sure to submit a WR-37 Form to the Office of Oil and Gas. The Office of Oil and Gas shall be notified 24 hours in advance of the retest date to witness said test.
- 14. A well head pressure gauge shall be installed and maintained on the injection tubing / casing to facilitate inspection and ensure compliance of maximum injection pressures as approved on Oil and Gas Form WR-37. A daily reading of the injection pressure shall be taken and reported monthly on Form WR-40 to the Office of Oil and Gas.
- 15. The permittee shall sample and analyze injection fluids upon request by the Office of Oil and Gas at a frequency not to exceed twice a year. Analyses shall cover all parameters listed on Attachment A of this permit. Results of all analyses shall be submitted to the Office of Oil and Gas. Permittee shall submit a letter of explanation for any parameter which exceeds the ranges on Attachment A.

- 16. All injection lines shall be inspected, maintained, operated and monitored to allow early detection of any leakage and so that the occurrence of leaks will be minimized.
- 17. Pipeline(s) connecting UIC above-ground storage tanks and permitted well (UIC2D0190510) shall be tested for integrity at least once every five years reporting results on Form WR-37 to this agency.
- 18. The permittee shall fulfill the requirements of the Office of Oil and Gas regarding maintaining financial responsibility and resources to close, plug, and abandon permitted wells. An additional five-thousand dollar performance bond shall be maintained on permitted UIC well #47-019-00510.
- 19. The herein-described activity is to be extended, modified, added to, made, enlarged, acquired, constructed or installed, and operated, used and maintained strictly in accordance with the terms and conditions of this permit; with the information submitted with the Permit Application No. UIC2D0190510 with the plan of maintenance and method of operation thereof submitted with such application(s); and with any applicable rules and regulations promulgated by the Department of Environmental Protection.
- 20. This permit is issued in accordance with the provisions of Article 11 and 12, Chapter 22, of the Code of West Virginia and Legislative Rule 47CSR13.
- 21. Failure to comply with the terms and conditions of this permit, with the plans and specifications submitted with the Permit Application No. UIC2D0190510 and with the plan of maintenance and method of operation thereof submitted with such application(s) shall constitute grounds for the revocation or suspension of this permit and for the invocation of all the enforcement procedures set forth in Article 11 and 12, Chapter 22, of the Code of West Virginia and Legislative Rule 47CSR13.
- 22. The operation of this injection well facility in general, including maintenance of all unrelated surface equipment, shall be conducted so as to preclude any unlawful discharge of waste materials into the surface or ground waters of this State.
- 23. The permittee must satisfy the requirements of the Office of Oil and Gas for plugging and abandonment of permitted injection wells in such a manner as to ensure that no fluid movement occurs either from the injection zone into an underground source of drinking water or from one underground source of drinking water to another. If the well is to be taken out of service the permittee shall plug the well within 90 days of the last injection date.

ATTACHMENT A

Injection Fluid Analysis Parameters

<u>Parameter</u>	Ranges
PH TDS TSS Aluminum Arsenic Barium Cadmium Chromium Iron Lead Magnesium Manganese Potassium Sodium Zinc Surfactants TKN Oil and Grease TOC COD Acidity Chloride Sulfate Cyanide Phenols Calcium BNA – Extractables Purgeable Aromatics Purgeable Halocarbons PCBs BTEX paHs	>2 - 10 0 - 265,000 mg/1 0 - 1000 mg/1 0 - 10 mg/1 0 - 10 mg 0 - 1500 mg/1 0 - 2 mg/1 0 - 1 mg/1 0 - 1 mg/1 0 - 1000 mg/1 0 - 7.5 mg/1 0 - 5000 mg/1 0 - 15 mg/1 0 - 15 mg/1 0 - 10 mg/1 0 - 25 mg/1 0 - 10,000 mg/1 0 - 30,000 mg/1 0 - 30,000 mg/1 0 - 500 mg/1 0 - 500 mg/1 0 - 500 mg/1 0 - 10 mg/1 0 - 10 mg/1 Trace
TPHs (ORO, DRO, GRO)	

FORM WW-3 (A) 1/12



1) D	ate:	October 15	, 2012					
2) C	perato	r's Well	No.	Lawso	n-Hamilto	n #3		
3) A	Pl We	ll No.:	47	-	019	-	00510	
			State	_	Coun	ty	Permit	
4) U	IC Per	mit No.	UIC2D	019505	10			

STATE OF WEST VIRGINIA NOTICE OF LIQUID INJECTION OF WASTE DISPOSAL WELL WORK PERMIT APPLICATION

FOR TH	E DEPARTMENT OF ENVIRONM	ENTAL PI	ROTECTION, O	OFFICE OF OIL AND GAS,
5) Surface Own	ner(S) To Be Served	7) (a) Coal	Operator	
(a) Name	ACIN LLC	Name	Kingston Minin	g Company
Address	P.O. Box 2827	Address	Route 1, Box 7	6 C
	Huntington, WV 25727	•	Scarbro, WV	25917
(b) Name		7) (b) Coal	Owner(S) With D	eclaration Of Record
Address		Name	See 6 (i)	
		Address		
(c) Name		Name		
Address		Address		
		•		
6) Inspector	Mr. Terry Urban	7) (c) Coal	Lessee with Decla	ration Of Record
Address	P. O. Box 1207	Name	Kingston Reso	urces, Inc.
	Clendenin, WV 25045	Address	See 7 (i)	
Telephone	(304) 549-5915			
(3) The Consiplan for each The date THE REASON APPLICATION	surveyor's map) showing the well location truction and Reclamation Plan on Form W rosion and sediment control and for reclam proposed for the first injection or wasted YOU HAVE RECEIVED THESE DON WHICH ARE SUMMARIZED IN THE	W-9 (unless ation for the e disposal is DCUMENTS "INSTRUC	the well work is of site and access roads. IS THAT YOU TIONS" ON THE	d. 20 HAVE RIGHTS REGARDING THE REVERSE SIDE OF THE COPY OF
ACTION AT A	ATION [(FORM WW-3(B)] DESIGNATE ALL.	D TO YOU	. HOWEVER YO	OU ARE NOT REQUIRED TO TAKE
Notice and App West Virginia Application and and Reclamation	at under Chapter 22-6 of the West Virginia plication and accompanying documents for Department of Environmental Protection didepicted on the attached Form WW-6. On Plan have been mailed by registered or in certain circumstances) on or before the distribution.	or a Well Wo , with respe Copies of thi certified mai	ork Permit with the ct to a well at the s Notice, the Appl I or delivered by I	e Chief of the Office of Oil and Gas, e location described on the attached lication, the plat, and the Construction and to the person(s) named above (or
	The person signing this docum	ent shall m	ake the following	g certification:
"I certify under	penalty of law that I have personally exam	sinad and	Well Operator	EQT Production Company
	h the information submitted in this docume	illica alla	Address	550 Eagan Street
	I that, based on my inquiry of those individ			Charleston, WV 25301
	sponsible for obtaining the information, I b		By:	Ken Kirk
the information	is true, accurate and complete. I am aware	e that there	Its:	Executive Vice Bresident of Production
are significant p	penalties for submitting false information, i			1/1
the possibility of	of fine and imprisonment.		Signature:	1 / (/ Lik

FORM WW-3 (B) 1/12



I) Date: 1	0/15/2012						
2) Operator's Well No.			Law				
3) API Well I	No.:	47	-	019	-	00510	
	_	State	•	County	7	Permit	
4) UIC Permi	t No.	UIC2D	0195				

STATE OF WEST VIRGINIA NOTICE OF LIQUID INJECTION OR WASTE DISPOSAL WELL WORK PERMIT APPLICATION FOR THE DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS

5) WELL TYPE:	Liqui	d Injectio	n 🗀	_ /	Gas Injec	tion (not storaș	ge)	/ W	aste Disposal	✓
5) LOCATION:	Elevation	n: 1625.8'			Wa	tershed: Mill	burn Creek of F	Paint Creek		
	District	Valley			Cou	inty Fayette		Quadran	gle Pax	
7) WELL OPERA		-	n Co.			8) DESIGNA	TED AGE	VT Jerry DeF	Rosa	
Addı	_	0 Eagan Str				-,	Addres		Liberty Avenue	
2100		narleston, W					1100100		n, PA 15222	
9) OIL & GAS IN	_			ED		10) DRILLIN	IC CONTD		1,171 10222	
		K IUBE	NOTIFII	כט		•		ACTOR		
Name Mr. Terry		<u> </u>								
Address P.O. Box					:t:	Address				
Clendeni	in, WV 250	45								
l I) PROPOSED V	VELL W		Plug off o	old form	ation	eeper Perfo	rate new fo		Co	nvert
IA) CEOLOGIC T	ADOUT	CODIA.				vell (specify)				Foot (hottom)
12) GEOLOGIC T	ARGEI	FORMA	TION Ma	ixton, wei	r	Depth) to <u>2664'</u>	Feet (bottom)
13) Estimated Dep								Feet	_	
l 4) Approximate v						Feet	Salt 5	15	Feet	
15) Approximate of				<u> </u>						
16) Is coal being m	nined in t	he area?	Yes	√	No		_			
17) Virgin reservo	ir pressur	e in targe	t formation	on 650	psig	Source	Drilling Repo	rt of CC #4		
(8) Estimated rese	rvoir frac	ture pres	sure 266	0					ps	ig (BHFP)
19) MAXIMUM P					IONS: V	olume per hou	r 100 bbl	Bottom h		2200 psl
20) DETAILED II										d list
io, de l'illed il		0/111011	01 11111		o robbi	WECTED, IIV	OLODE			
21) FILTERS (IF	ANTV) N	nueto 1 I IDa	2C 2000 10	micron						
					CION AND	OTHER COR	DOCIONI C	ONITROI	None	
22) SPECIFICATI	ONS FO	K CAIR	ODIC PR	OIEC	HON AND	OTHER COR	KOSION C	ONTROL	Mone	
22) CACDIC AND 2	FIDDICI	DOCD 43	1							
23) CASING AND	I OBING I							CT1 CT1 TT		
CASING OR TUBING TYPE			ECIFICATIONS	Head		TERVALS	CEMENT FILL -UP		CKERS	
TUBING I TPE	Size	Grade	Weight	New	Used	For Drilling	Left In	8		
32.8		*.	per ft.				Well	OR SACKS (CU. FT.)		
Conductor	13 3/8	H-40	48	×	-	76	76	100 SKS	Kinds	
Fresh Water	13 3/6	FT-40	**0	-		/6	70	100 313		er AD-1
	:				<u> </u>					el AD-1
Coal						ļ			Sizes	
Intermediate	8 5/8	K-55	24	Х		1642	1642	350 sks		
Production	4 1/2	J-55	10.5	X		6348	6348	560 sks	Depths set	
Tubing	2 3/8	J-55	4.7	X			1650			600,
Liners									Perforations	
							(6)		Тор	Bottom
***************************************									1650	2664
	1				ii ii	1				
24) APPLICANT'	SOPER	ATING R	IGHTS v	vere aco	uired from	Ark Land Comp	anv			
by deed							05/01/1981		of	record in the
Fayette	— ′ ¹		-		fice in Fay		300111001	Book 404		age 16
Laterra		·		LIN S UL	пости гау	OTTOAIRE' AAA		אטטע אייי	r	uec io

DEPARTMENT OF ENVIRONMENTAL PROTECTION REPORT FOR WASTE DISPOSAL WELLS STATE OF WEST VIRGINIA

DATE:

API PERMIT NO. WELL NO.

47-

OPERATOR NAME: ********MAXIMUM PERMITTED INJECTION PRESSURE MONTH: PSIG. *******

TOTALS DAY OPERATING HOURS TUBING **ANNULUS PRESSURES** OTHER MAXIMUM DAILY
INJECTION
PRESSURE SHUT IN PRESSURE **VOLUME IN BBLS AND/OR MCF.** DAILY ACCUMULATED AVERAGE RATE IN GALLONS PER MINUTE MAXIMUM

I HEREBY CERTIFY THAT THE INFORMATION ON THIS REPORT IS TRUE AND CORRECT.

TITLE: BY: